

5

4,7-DICHLOROFLUORESCEIN DYES AS MOLECULAR PROBES

10

Abstract of the Disclosure

Long wavelength, narrow emission bandwidth fluorecein dyes are provided for detecting specially overlapping target substances. The dyes comprise 4,7-dichlorofluoresceins, and particularly 2',4',5',7'-tetrachloro-4,7-dichloro-5- (and 6-) carboxyfluoresceins. Methods and kits for using the dyes in DNA analysis are provided.